CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001: 2015 Certified Company
NABL Accredited As Per ISO/IEC : 17025:2005 Laboratory

JAS-ANZ
ISO 9001:2000 CERTIFIED

Job No.: CQCE/BBMP/NJ/15/2020-2021 Date: 14.10.2020

TEST REPORT ON CEMENT

Client : **Assistant Executive Engineer,** T.Dasarahalli sub Division, BBMP,Bangalore.
Agency : **Sri. Naveen J,** Contractor, Bangalore.
Name of Work : Community Propurty Maintenance (Including Parks) at Ward No.15 in Dasarahalli, BBMP, Bangalore.
Sample : : Cement (Birla Super 53 grade OPC)
Sample Supplied by: : AGENCY
Date of Manufacture: : September
Date of Testing : 12.10.2020 to 14.10.2020

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	155 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	360 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29.00%	-

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Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Office & Laboratory : # 133, Bhuvaneshwarinagar, Dodda Basti Main Road, Bangalore - 560 056.
e-mail: civilqualityconsultants@gmail.com Ph: 080-23240644 / Mob: 8553518550

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Job No.: CQCE/BBMP/NJ/15/2020-2021 Date : 14.10.2020

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** T.Dasarahalli sub Division, BBMP,Bangalore.
Agency : **Sri. Naveen J,** Contractor, Bangalore.
Name of Work : Community Propurty Maintenance (Including Parks) at Ward No.15 in Dasarahalli, BBMP, Bangalore.
Date of Testing : 14.10.2020
IS Code : IS 383:2016
: IS 2386 (Part 1):1963(RA 2011)
Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
80	0	0	0	100	100
40	184	1.23	1.23	98.77	95-100
20	8636	57.57	58.80	41.20	30-70
10	3162	21.08	79.88	20.12	10-35
4.75	2536	16.91	96.79	3.21	0-5

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Job No.: CQCE/BBMP/NJ/15/2020-2021

Date : 21.10.2020

TEST REPORT ON PRE-POLISHED DESIGNER CEMENT CONCRETE TILES

Client : **Assistant Executive Engineer,** T.Dasarahalli sub Division, BBMP,Bangalore.

Contractor : **Sri. Naveen J,** Contractor, Bangalore.

Name of the Work : Community Propurty Maintenance (Including Parks) at Ward No.15 in Dasarahalli, BBMP, Bangalore.

Sample ID : Pre-Polished Designer Cement Concrete Tiles

Technical Reference : IS: 1237-1980 (Reaffirmed 2006)

No. of Samples Tested : 12 (Twelve)

Date of Testing : 16.10.2020 to 21.10.2020

I.

Sl. No.	Wet Transverse Strength (N/mm^2)	Average (N/mm^2)	Requirement as per IS: 1237-1980 (Reaffirmed 2006)
1	3.6	4.20	The average wet transverse strength should not be less than 3.0 N/mm^2 when 6 full size tiles are tested.
2	3.8		
3	4.5		
4	3.9		
5	4.6		
6	4.8		

II.

Sl. No.	Water Absorption (% by Wt)	Average (% by Wt)	Requirement as per IS: 1237-1980 (Reaffirmed 2006)
1	7.8	7.53	The average percentage of water absorption should not exceed 10% when 6 full size tiles are tested.
2	7.3		
3	7.9		
4	7.5		
5	7.6		
6	7.1		

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Ref No.: CQCE/BBMP/NJ/15/2020-2021

KERB STONE (CORE) TEST REPORT

Date: 23.10.2020

Client	:	**Assistant Executive Engineer,** T.Dasarahalli sub Division, BBMP,Bangalore.
Agency	:	**Sri. Naveen J,** Contractor, Bangalore.
Name of Work	:	Community Propurty Maintenance (Including Parks) at Ward No.15 in Dasarahalli, BBMP, Bangalore.
No.of Sample Tested	:	03
Date of Testing	:	23.10.2020
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{15}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	72.00	0.332	2348.42	1.44	0.940	26.5	13.50	14.58	13.69	17.12
2	50.00	75.00	0.349	2369.92	1.50	0.946	27.8	14.16	15.29	14.47	18.08
3	50.00	77.00	0.362	2394.35	1.54	0.950	27.6	14.06	15.18	14.43	18.03

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